

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL

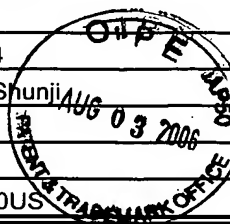
For FY 2006

☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) **2580.00**

Complete if Known

Application Number	10/808,946
Filing Date	March 24, 2004
First Named Inventor	KAWAMURA, Shunji
Examiner Name	Gabriel L. Chu
Art Unit	2114
Attorney Docket No.	16869N-111900US


METHOD OF PAYMENT (check all that apply)

- ☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____
- ☒ Deposit Account Deposit Account Number: 20-1430 Deposit Account Name: Townsend and Townsend and Crew LLP
- For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)
- ☒ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee
- ☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION (All the fees below are due upon filing or may be subject to a surcharge.)
1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Small Entity	Fee (\$)	Small Entity	Fee (\$)	Small Entity	Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Small Entity	Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
39	-20 or HP = 20	x \$50	= \$1,000

HP = highest number of total claims paid for, if greater than 20

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
12	-3 or HP = 7	x \$200	= \$1,400

HP = highest number of independent claims paid for, if greater than 3

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
	- 100 =	/ 50 =	(round up to a whole number) x	=

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Submission of Information Disclosure Stmt

Fees Paid (\$)
180.00
SUBMITTED BY

Signature		Registration No. (Attorney/Agent) 41,405	Telephone 650-326-2400
Name (Print/Type)	Chun-Pok Leung		Date August 1, 2006



PATENT
Attorney Docket No.: 16869N-111900US
Client Reference No.: NT1530US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Shunji KAWAMURA et al.

Application No.: 10/808,946

Filed: March 24, 2004

For: DATA PROCESSING SYSTEM

Group Director: 2114

Confirmation No.: 6341

Examiner: Gabriel L. Chu

Art Unit: 2114

**SUPPLEMENTAL INFORMATION
DISCLOSURE STATEMENT UNDER
37 CFR §1.97 and §1.98**

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

The references cited on attached form PTO/SB/08A and PTO/SB/08B are being called to the attention of the Examiner. Copies of the references [in compliance with the requirements of 37 CFR §1.98(a)(2)] are enclosed.

It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

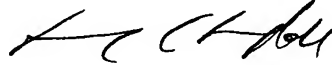
As provided for by 37 CFR §1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

08/03/2006 HBLANCO 00000049 201430 10000946
03 FC:1806 180.00 DA

This IDS is being filed on or before payment of the issue fee.

Please charge the IDS fee of \$180 to Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

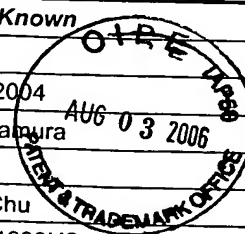
Respectfully submitted,



Chun-Pok Leung
Reg. No. 41,405

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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/808,946
		Filing Date	March 24, 2004
		First Named Inventor	Shunji Kawamura
		Art Unit	2114
		Examiner Name	Gabriel L. Chu
(Use as many sheets as necessary)		Attorney Docket Number	16869N-111900US
Sheet	1	of	4



U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US-7,051,176	05-23-2006	Meiri et al.	
	2	US-6,968,349	11-22-2005	Owen et al.	
	3	US-6,959,369	10-25-2005	Ashton et al.	
	4	US-2005/0198454	09-08-2005	Yoder et al.	
	5	US-6,941,322	09-06-2005	Bills et al.	
	6	US-2005/0149666	07-07-2005	Meiri et al.	
	7	US-6,898,685	05-24-2005	Meiri et al.	
	8	US-6,883,122	04-19-2005	Maple et al.	
	9	US-2005/0050115	03-03-2005	Kekre	
	10	US-2005/0038968	02-17-2005	Iwamura et al.	
	11	US-6,823,336	11-23-2004	Srinivasan et al.	
	12	US-6,804,676	10-12-2004	Bains	
	13	US-2004/0193802	09-30-2004	Meiri et al.	
	14	US-2004/0117344	06-17-2004	Yang	
	15	US-2004/0059738	03-25-2004	Tarbell	
	16	US-2004/0030703	02-12-2004	Bourbonnais et al.	
	17	US-2003/0229764	12-11-2003	Ohno et al.	
	18	US-6,662,197	12-09-2003	LeCrone et al.	
	19	US-2003/0220935	11-27-2003	Vivian et al.	
	20	US-2003/0217031	11-20-2003	Owen et al.	
	21	US-2003/0204479	10-30-2003	Bills et al.	
	22	US-6,625,623	09-23-2003	Midgley et al.	
	23	US-6,622,152	09-16-2003	Sinn et al.	
	24	US-6,598,134	07-22-2003	Ofek et al.	
	25	US-6,560,617	05-06-2003	Winger et al.	
	26	US-2003/0084075	05-01-2003	Balogh et al.	
	27	US-2003/0074378	04-17-2003	Midgley et al.	
	28	US-2003/0074600	04-17-2003	Tamatsu et al.	
	29	US-2003/0051111	03-13-2003	Nakano et al.	
	30	US-6,526,487	02-25-2003	Ohran et al.	
	31	US-2003/0014432	01-16-2003	Teloh et al.	
	32	US-6,496,908	12-17-2002	Kamvysselis et al.	
	33	US-6,487,645	11-26-2002	Clark et al.	
	34	US-6,477,627	11-05-2002	Yuval. Ofek	
	35	US-6,467,034	10-15-2002	Yanaka	

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/808,946
		Filing Date	March 24, 2004
		First Named Inventor	Shunji Kawamura
		Art Unit	2114
		Examiner Name	Gabriel L. Chu
		Attorney Docket Number	16869N-111900US
(Use as many sheets as necessary)			
Sheet	2	of	4

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Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	36	US-6,463,501	10-08-2002	Kern et al.	
	37	US-2002/0143888	10-03-2002	Lisiecki et al.	
	38	US-6,460,055	10-01-2002	Midgley et al.	
	39	US-2002/133511	09-19-2002	Hostetter et al.	
	40	US-6,446,176	09-03-2002	West et al.	
	41	US-6,442,706	08-27-2002	Wahl et al.	
	42	US-6,408,370	06-18-2002	Yamamoto et al.	
	43	US-6,397,307	05-28-2002	Ohran	
	44	US-6,393,538	05-21-2002	Murayama	
	45	US-6,363,462	03-26-2002	Bergsten	
	46	US-6,360,306	03-19-2002	Bergsten	
	47	US-2003/0014433	01-16-2002	Teloh et al.	
	48	US-6,308,283	10-23-2001	Galipeau	
	49	US-6,282,610	08-28-2001	Bergsten	
	50	US-6,209,002	03-27-2001	Gagne et al.	
	51	US-6,178,427	01-23-2001	Parker	
	52	US-6,173,377	01-09-2001	Yanai et al.	
	53	US-6,157,991	12-05-2000	Dan Arnon	
	54	US-6,101,497	08-08-2000	Yuval. Ofek	
	55	US-6,092,066	07-18-2000	Yuval. Ofek	
	56	US-6,052,758	04-18-2000	Crockett et al.	
	57	US-6,044,444	03-28-2000	Yuval. Ofek	
	58	US-5,995,980	11-30-1999	Olson et al.	
	59	US-5,974,563	10-26-1999	Beeler	
	60	US-5,933,653	08-03-1999	Yuval. Ofek	
	61	US-5,901,327	05-04-1999	Yuval. Ofek	
	62	US-5,835,953	11-10-1998	Ohran	
	63	US-5,799,323	08-25-1998	Mosher et al.	
	64	US-5,742,792	04-21-1998	Yanai et al.	
	65	US-5,734,818	03-31-1998	Kern et al.	
	66	US-5,720,029	02-17-1998	Kern et al.	
	67	US-5,682,513	10-28-1997	Candelaria et al.	
	68	US-5,544,347	08-06-1996	Yanai et al.	
	69	US-5,459,857	10-17-1995	Ludlam et al.	
	70	US-5,379,418	01-03-1995	Shimazaki et al.	

Examiner Signature	Date Considered
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/808,946
				Filing Date	March 24, 2004
				First Named Inventor	Shunji Kawamura
				Art Unit	2114
				Examiner Name	Gabriel L. Chu
Sheet	3	of	4	Attorney Docket Number	16869N-111900US

U.S. PATENT DOCUMENTS					
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	71	US-5,307,481	04-26-1994	Shimazaki et al.	
	72	US-5,170,480	12-08-1992	Mohan et al.	
	73	US-5,155,845	10-13-1992	Beal et al.	

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
	74	JP	07-191811		07-28-1995	Hitachi Ltd.		abstract only
	75	JP	02-037418		02-07-1990	Hitachi Ltd.		abstract only
	76	JP	62-274448		11-28-1987	Hitachi Ltd.		abstract only

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Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Application Number	10/808,946
				Filing Date	March 24, 2004
				First Named Inventor	Shunji Kawamura
				Art Unit	2114
				Examiner Name	Gabriel L. Chu
Sheet	4	of	4	Attorney Docket Number	16869N-111900US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	77	LYON "Tandem's Remote Data Facility," Proc. IEEE Spring CompCon Conf, pp 562-567 (1990).	<input type="checkbox"/>
	78	"IBM DB2 Replication Guide and Reference, version 7," IBM Corporation Armonk, NY (2000).	<input type="checkbox"/>
	79	"IBM DB2 Replication Guide and Reference, version 8," IBM Corporation Armonk, NY (2003).	<input type="checkbox"/>
	80	"IBM DB2 RepliData for z/OS, version 3.1" IBM Corporation Armonk, NY (March 2003).	<input type="checkbox"/>
	81	"IBM DB2 DataPropagator for z/OS, version 8.1" IBM Corporation Armonk, NY (2002).	<input type="checkbox"/>

Examiner Signature		Date Considered	
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